

WHAT IS CLAIMED IS:

1. A cigarette comprising a cigarette paper wrapper having heat-degradable filler particles, wherein said heat-degradable filler particles are capable of being
5 dissipated during smoking of the cigarette to increase the porosity of the cigarette paper wrapper.
2. A cigarette of claim 1, wherein the heat-degradable filler particles are capable of being dissipated during smoking of the cigarette to increase the porosity of the cigarette paper wrapper to a final porosity from about 30% to about 60%.
- 10 3. A cigarette of claim 1, wherein the heat-degradable filler particles are capable of being dissipated during smoking of the cigarette to provide air dilution of the mainstream smoke of at least about 30 percent.
4. A cigarette of claim 1, wherein the heat-degradable filler particles are capable of being dissipated during smoking of the cigarette to provide air dilution of the
15 mainstream smoke from about 30 percent to about 90 percent.
5. A cigarette of claim 1, wherein the combustion temperature of the cigarette during smoking of the cigarette is maintained from about 600°C to about 750°C.
6. A cigarette of claim 1, wherein said heat-degradable filler particles are capable of being dissipated at a temperature from about 25°C to about 350°C.
- 20 7. A cigarette of claim 6, wherein said heat-degradable filler particles are capable of being dissipated at a temperature from about 100°C to about 350°C.

8. A cigarette of claim 7, wherein said heat-degradable filler particles are capable of being dissipated at a temperature from about 200°C to about 350°C.

9. A cigarette of claim 1, wherein the heat-degradable filler particles comprise an alkyl cellulose, an ethyl cellulose, a cellulose propionate, a cellulose butyrate, a
5 mixed ester of a cellulose, or mixtures thereof.

10. A cigarette of claim 1, wherein the heat-degradable filler particles comprise monosodium phosphate, disodium phosphate, carnauba, polyethylene oxide, vinyl acetate, polymethacrylate, nitrocellulose, ethylene vinyl acetate, or mixtures thereof.

10 11. A cigarette of claim 1, wherein the heat-degradable filler particles comprise ethyl cellulose, monosodium phosphate, or mixtures thereof.

12. A cigarette of claim 1, wherein the heat-degradable filler particles are capable of being dissipated a distance from about 0.1 mm to about 10 mm in advance of a charline, wherein the charline is formed in the cigarette paper during smoking of
15 the cigarette.

13. A cigarette of claim 1, wherein the heat-degradable filler particles are capable of being dissipated a distance from about 0.5 mm to about 2 mm in advance of a charline, wherein the charline is formed in the cigarette paper during smoking of the cigarette.

20 14. A cigarette of claim 1, wherein the heat-degradable filler particles have a mean average particle size from about 0.2 mm to about 0.5 mm.

15. A cigarette of claim 1, wherein the heat-degradable filler particles have a mean average particle size from about one quarter the thickness of the paper to about one and a half times the thickness of the paper.

16. A method of making a cigarette, comprising

5 (i) providing a cut filler to a cigarette making machine to form a tobacco rod; and

10 (ii) placing a paper wrapper around the tobacco rod to form the cigarette, wherein the cigarette paper comprises heat-degradable filler particles, and wherein said heat-degradable filler particles are capable of being dissipated during smoking of the cigarette to increase the porosity of the cigarette paper wrapper.

17. A method of smoking the cigarette of claim 1, comprising lighting the cigarette to form smoke and inhaling the smoke, wherein during the smoking of the cigarette, the heat-degradable filler particles are dissipated during smoking of the cigarette to increase the porosity of the cigarette paper wrapper.

15 18. A cigarette paper comprising heat-degradable filler particles, wherein said heat-degradable filler particles are capable of being dissipated to increase the porosity of the cigarette paper during smoking of the cigarette when the cigarette paper is used as a cigarette paper wrapper.

20 19. A cigarette paper of claim 18, wherein the heat-degradable filler particles are capable of being dissipated during smoking of the cigarette to increase the porosity of the cigarette paper wrapper to a final porosity from about 30% to about 60%.

20. A cigarette paper of claim 18, wherein said heat-degradable filler particles are capable of being dissipated at a temperature from about 25°C to about 350°C.

21. A cigarette paper of claim 20, wherein said heat-degradable filler particles are capable of being dissipated at a temperature from about 100°C to about 350°C.

22. A cigarette paper of claim 21, wherein said heat-degradable filler particles are capable of being dissipated at a temperature from about 200°C to about 350°C.

5 23. A cigarette paper of claim 18, wherein the heat-degradable filler particles comprise an alkyl cellulose, an ethyl cellulose, a cellulose propionate, a cellulose butyrate, a mixed ester of a cellulose, or mixtures thereof.

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10 ~~24. A cigarette paper of claim 18, wherein the heat-degradable filler particles comprise monosodium phosphate, disodium phosphate, carnauba, polyethylene, polystyrene, vinyl acetate, polymethacrylate, nitrocellulose, ethylene vinyl acetate, or mixtures thereof.~~

25. A cigarette paper of claim 18, wherein the heat-degradable filler particles comprise ethyl cellulose, monosodium phosphate, or mixtures thereof.

15 26. A cigarette paper of claim 18, wherein the heat-degradable filler particles have a mean average particle size from about 0.2 mm to about 0.5 mm in size.

27. A cigarette paper of claim 18, wherein the heat-degradable filler particles have a mean average particle size from about one quarter the thickness of the paper to about one and a half times the thickness of the paper.

20 28. A method of making the cigarette paper of claim 18, comprising adding the heat-degradable filler particles to a feedstock of a cigarette paper making machine.

29. A method of claim 28, wherein the heat-degradable filler particles are incorporated in an amount of up to about 50% based on the total weight of the paper.

5 30. A method of claim 29, wherein the heat-degradable filler particles are incorporated in an amount of up to about 30% based on the total weight of the paper.

31. A method of claim 28, wherein the heat-degradable filler particles have a mean average particle size from about 0.2 mm to about 0.5 mm.

10 32. A method of claim 28, wherein the heat-degradable filler particles have a mean average particle size from about one quarter the thickness of the resulting paper to about one and a half times the thickness of the resulting paper.

33. A method of claim 28, wherein said heat-degradable filler particles are capable of being dissipated at a temperature from about 25°C to about 350°C.

15 34. A method of claim 33, wherein said heat-degradable filler particles are capable of being dissipated at a temperature from about 100°C to about 350°C.

35. A method of claim 34, wherein said heat-degradable filler particles are capable of being dissipated at a temperature from about 200°C to about 350°C.